

**To:** Dietrick McGinnis[dmcginnis@mcginnisandassociates.com]  
**Cc:** Rodriguez, Dante[Rodriguez.Dante@epa.gov]  
**From:** Sturges, Susan  
**Sent:** Wed 1/25/2017 7:38:05 PM  
**Subject:** FW: PE sample(s) for Yerington Anaconda site by ICP-MS Case

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>>>>>>

Hi Dietrick.

The response from the CLP Inorganics Program Manager, Brett Moody, is below regarding sample container size. He provides more information supporting the preference for 8 oz. samples. By the way, 8 ounces also considers MS/MSD, so an extra jar is not needed.

If you and Dante decide a smaller sample size (4 oz.) is what you can do , really shoot for a full, dense jar. The Sample Management Office/CLP lab will let us know if they don't have enough sample and inquire about how best to proceed. At that point, we can coordinate with QA for the best approach.

Susan Sturges

Regional Sample Control Coordinator

U.S EPA Region 9 Laboratory

1337 S 46th Street, Bldg 201

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Email: sturges.susan@epa.gov

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<http://www.epa.gov/region9/lab/>

**From:** Moody, Brett

**Sent:** Wednesday, January 25, 2017 10:55 AM

**To:** Sturges, Susan

**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Hey Susan,

Perhaps you already saw this so forgive me if you have. The CLP Sampler's Guide (below) recommends collecting soil samples in 8 oz jars to allow for additional volume/mass for increased sample size for homogenization and takes into consideration % solids and ICP-AES/ICP-MS samples with MS/Duplicate. Something to consider that the guide below doesn't is that the soil pH method in the SOW requires 20g of sample which isn't factored into the below,

making 8 oz even more preferable.

% solids: 5-10g

pH: 20g

digestion: 1 to 1.5g

ICP-MS: 1.5g

ICP-AES: 1.5g

Duplicate: 1.5g

MSD: 1.5g

Ultimately it's up to the Region as sample collection isn't in CLP's contracts. If R9 decides to proceed with 4oz jars, the lab may contact SMO/Region and ask to reduce certain tests (for example, complete pH testing of 10g samples instead of 20g) if not enough sample is present. I am sure another lab has used 4oz jars at one point without any fuss.

Other consideration: Do you expect this to be an ongoing project? Could samples be pulled here in the future and 8oz jars used then? If so, that is something to factor as that would be a variable during the monitoring over time.

CLP Samples

Table C-3. Sample Collection Requirements for CLP SOW ISM02.X

Analysis	Matrix	Sample Type	Container Type	Minimum Volume/ Mass <sup>1</sup>	Important Notes	Preservative/ Collection <sup>2</sup>	Technical Holding Time <sup>3</sup>
Metals/ICP-AES, Metals/ICP-MS, and/or Mercury by CVAA	Water	Samples Only	1 L high density polyethylene, cylinder-round bottle, 28 mm neck finish. See Table B-1, Reference Number 2.	1L	DO NOT FREEZE water samples.	Acidify to pH < 2 with HNO <sub>3</sub> immediately after collection. <sup>4</sup>	6 months for all metals except Mercury (28 days)
		Samples with MS/Duplicate		2L			
	Soil/ Sediment <sup>5</sup>	Samples Only	One 8 oz short, wide mouth, straight-sided, glass jar, 70 mm neck finish. See Table B-1, Reference Number 3.	Fill to capacity		Cool to = 6°C, but not frozen, immediately after collection.	6 months
		Samples for TCLP/SPLP					
		Samples with MS/Duplicate					

[https://www.epa.gov/sites/production/files/2015-03/documents/samplers\\_guide.pdf](https://www.epa.gov/sites/production/files/2015-03/documents/samplers_guide.pdf)

Hopefully this gave you some additional insight! Feel free to give me a call or email if you have more questions.

Brett Moody

OLEM/OSRTI/TIFSD/Analytical Services Branch

CLP Inorganic Program Manager

Work: 703.603.9903/Cell: 571.289.8244

**From:** Sturges, Susan

**Sent:** Wednesday, January 25, 2017 12:59 PM

**To:** Moody, Brett <[Moody.Brett@epa.gov](mailto:Moody.Brett@epa.gov)>

**Subject:** FW: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Hi Brett.

Checking in on behalf of the field contractor for the Yerington Anaconda CLP soils event.

You may recall that the event is scheduled for ICP/ICP-MS soils analyses (with MA adding analytes) including pH, the field contractor indicated using 4 oz jars for the samples – I mentioned the CLP sampling guide recommending 8 oz jars. Is 4 oz ok for CLP? What is usually acceptable for MS/MSD?

The Region 9 Lab is ok with 4 oz, but wanted to get your feedback since the contractor may have limitations with the sample collection method, particularly with collecting for MS/MSD.

Thanks.

Susan Sturges

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**From:** Dietrick McGinnis [<mailto:dmcginnis@mcginnisandassociates.com>]

**Sent:** Wednesday, January 25, 2017 9:49 AM

**To:** Sturges, Susan <[Sturges.Susan@epa.gov](mailto:Sturges.Susan@epa.gov)>

**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Of the folks below, who do I contact about sample submission, we may have to decide

what is easier, smaller sample sizes or a change in method....we are not going to get 500g out of our split spoon sampler in the proposed set up...

Dietrick

**Dietrick McGinnis PhD PE CEM**

**McGinnis & Associates**

**65 Regency Way, Suite C, Reno, NV 89509**

**775.853.0449 p, 775.853.0243 f**

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**From:** Sturges, Susan [<mailto:Sturges.Susan@epa.gov>]

**Sent:** Wednesday, January 25, 2017 9:40 AM

**To:** Dietrick McGinnis <[dmcginnis@mcginnisandassociates.com](mailto:dmcginnis@mcginnisandassociates.com)>

**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Apologies. Yes, for your MS/MSD-designated sample, provide an extra container, for a total of two.

Susan Sturges

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**From:** Dietrick McGinnis [<mailto:dmcginnis@mcginnisandassociates.com>]

**Sent:** Wednesday, January 25, 2017 9:30 AM

**To:** Sturges, Susan <[Sturges.Susan@epa.gov](mailto:Sturges.Susan@epa.gov)>

**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Thanks for the reply, we can order 8 oz bottles for the project, we don't have a full

supply right now anyway.

Double volume: does that mean 2 containers per sample for a total of 16 oz?

Dietrick

**Dietrick McGinnis PhD PE CEM**

**McGinnis & Associates**

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**From:** Sturges, Susan [<mailto:Sturges.Susan@epa.gov>]

**Sent:** Wednesday, January 25, 2017 9:05 AM

**To:** Dietrick McGinnis <[dmcginnis@mcginnisandassociates.com](mailto:dmcginnis@mcginnisandassociates.com)>

**Cc:** Strout, Keith <[Keith.Strout@CBIFederalServices.com](mailto:Keith.Strout@CBIFederalServices.com)>

**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Good morning, Dietrick. Thank you for the coordination with Keith.

Through CLP, the labs do not provide sample containers, so you will need to obtain them.

The CLP recommends an 8-ounce jar for samples, but 4-ounce is probably adequate. You might consider switching to 8-ounce. For your Lab QC (MS/MSD) designated samples, please remember to provide double volume.

Susan Sturges

Regional Sample Control Coordinator

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**From:** Dietrick McGinnis [<mailto:dmcginnis@mcginnisandassociates.com>]  
**Sent:** Tuesday, January 24, 2017 5:00 PM  
**To:** Strout, Keith <[Keith.Strout@CBIFederalServices.com](mailto:Keith.Strout@CBIFederalServices.com)>  
**Cc:** Sturges, Susan <[Sturges.Susan@epa.gov](mailto:Sturges.Susan@epa.gov)>  
**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Keith,

1. We can supply the containers, we will use 4 oz wide mouth clear (may use amber depending on stock, but they are not required). We can ship this week.
2. We generally will have 80 samples, so I assume 4 of any QA/QC type is fine.
3. We would like them by the end of next week but will not start shipping out until the following week.
4. Shipping address below.

Susan, I am assuming on the sample size is what we have used before and that the lab is not supplying containers so if you could confirm that, I would appreciate it.

Thanks,

Dietrick

**Dietrick McGinnis PhD PE CEM**

**McGinnis & Associates**

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**From:** Strout, Keith [<mailto:Keith.Strout@CBIFederalServices.com>]  
**Sent:** Tuesday, January 24, 2017 12:17 PM  
**To:** Dietrick McGinnis <[dmcginnis@mcginnisandassociates.com](mailto:dmcginnis@mcginnisandassociates.com)>  
**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Thanks

Keith Strout  
Analytical Group Leader  
Quality Assurance Technical Support Laboratory  
CB&I Federal Services, LLC

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**From:** Dietrick McGinnis [[dmcginnis@mcginnisandassociates.com](mailto:dmcginnis@mcginnisandassociates.com)]  
**Sent:** Tuesday, January 24, 2017 1:32 PM  
**To:** Strout, Keith  
**Subject:** FW: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Back in the office this afternoon and will get this together for you.

**Dietrick McGinnis PhD PE CEM**

**McGinnis & Associates**

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**From:** Sturges, Susan [<mailto:Sturges.Susan@epa.gov>]  
**Sent:** Tuesday, January 24, 2017 9:20 AM  
**To:** Rodriguez, Dante <[Rodriguez.Dante@epa.gov](mailto:Rodriguez.Dante@epa.gov)>; Dietrick McGinnis <[dmcginnis@mcginnisandassociates.com](mailto:dmcginnis@mcginnisandassociates.com)>  
**Cc:** Freitas, Richard <[Freitas.Richard@epa.gov](mailto:Freitas.Richard@epa.gov)>; Moody, Brett <[Moody.Brett@epa.gov](mailto:Moody.Brett@epa.gov)>; Appleby, Charlie <[Appleby.Charlie@epa.gov](mailto:Appleby.Charlie@epa.gov)>; Strout, Keith <[Keith.Strout@CBIFederalServices.com](mailto:Keith.Strout@CBIFederalServices.com)>  
**Subject:** FW: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Dante, Dietrick –

Please let Keith Strout of QATS know right away if you still intend the PE sample to be double-blind. If so, empty bottles need to be sent asap and Keith requires highlighted information sent in an earlier email (also in email chain below).

Thank you.

Susan Sturges

Regional Sample Control Coordinator

U.S EPA Region 9 Laboratory

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<http://www.epa.gov/region9/lab/>

**From:** Moody, Brett

**Sent:** Tuesday, January 24, 2017 5:12 AM

**To:** Strout, Keith <[Keith.Strout@CBIFederalServices.com](mailto:Keith.Strout@CBIFederalServices.com)>; Dietrick McGinnis <[dmcginnis@mcginnisandassociates.com](mailto:dmcginnis@mcginnisandassociates.com)>; Freitas, Richard <[Freitas.Richard@epa.gov](mailto:Freitas.Richard@epa.gov)>; Sturges, Susan <[Sturges.Susan@epa.gov](mailto:Sturges.Susan@epa.gov)>

**Cc:** Appleby, Charlie <[Appleby.Charlie@epa.gov](mailto:Appleby.Charlie@epa.gov)>; Hedin, Clyde <[Clyde.Hedin@CBIFederalServices.com](mailto:Clyde.Hedin@CBIFederalServices.com)>

**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

There has been no response in the last week regarding this PE sample with this case. Could someone from R9 please update Keith Strout on this status?

Thanks,

Brett Moody

OLEM/OSRTI/TIFSD/Analytical Services Branch

CLP Inorganic Program Manager

Work: 703.603.9903/Cell: 571.289.8244

**From:** Moody, Brett

**Sent:** Wednesday, January 18, 2017 11:11 AM

**To:** 'Strout, Keith' <[Keith.Strout@CBIFederalServices.com](mailto:Keith.Strout@CBIFederalServices.com)>; Dietrick McGinnis <[dmcginnis@mcginnisandassociates.com](mailto:dmcginnis@mcginnisandassociates.com)>; Freitas, Richard <[Freitas.Richard@epa.gov](mailto:Freitas.Richard@epa.gov)>; Sturges, Susan <[Sturges.Susan@epa.gov](mailto:Sturges.Susan@epa.gov)>

**Cc:** Appleby, Charlie <[Appleby.Charlie@epa.gov](mailto:Appleby.Charlie@epa.gov)>; Hedin, Clyde <[Clyde.Hedin@CBIFederalServices.com](mailto:Clyde.Hedin@CBIFederalServices.com)>

**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Thanks, Keith!

R9 – please let Keith know asap if this PE sample is still going to be double-blind. If so, please



send the desired empty bottles asap and provide Keith with the highlighted information below. If time is an issue, there is the option of this being a blind sample with QATS sending the PE sample directly to the scheduled lab.

Thanks,

Brett Moody

OLEM/OSRTI/TIFSD/Analytical Services Branch

CLP Inorganic Program Manager

Work: 703.603.9903/Cell: 571.289.8244

**From:** Strout, Keith [<mailto:Keith.Strout@CBIFederalServices.com>]

**Sent:** Wednesday, January 18, 2017 11:05 AM

**To:** Moody, Brett <[Moody.Brett@epa.gov](mailto:Moody.Brett@epa.gov)>; Dietrick McGinnis <[dmcginnis@mcginnisandassociates.com](mailto:dmcginnis@mcginnisandassociates.com)>; Freitas, Richard <[Freitas.Richard@epa.gov](mailto:Freitas.Richard@epa.gov)>; Sturges, Susan <[Sturges.Susan@epa.gov](mailto:Sturges.Susan@epa.gov)>

**Cc:** Appleby, Charlie <[Appleby.Charlie@epa.gov](mailto:Appleby.Charlie@epa.gov)>; Hedin, Clyde <[Clyde.Hedin@CBIFederalServices.com](mailto:Clyde.Hedin@CBIFederalServices.com)>

**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Good Morning Brett,

I was just about to send an email regarding this PES. Dietrick sent me an email with the contact information, so I assume this is where the PES should be sent. We have not received the bottles for the PES, assuming that they want it in the same containers as the field samples. We have determined the analytes and concentrations to be used, and understand that it is a soil sample. What we need at this point is the containers, if they are to be supplied to us, the size of the sample needed, number of bottles, the date needed, and a confirmation on the shipping address.

We hope this information helps.

Thanks,

Keith

Keith Strout  
Analytical Group Leader  
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**From:** Moody, Brett [Moody.Brett@epa.gov]  
**Sent:** Wednesday, January 18, 2017 9:52 AM  
**To:** Dietrick McGinnis; Freitas, Richard; Sturges, Susan  
**Cc:** Strout, Keith; Appleby, Charlie  
**Subject:** RE: PE sample(s) for Yerington Anaconda site by ICP-MS Case

Hello Everyone,

Just checking on the status of the PE samples to be included with this case...have any bottles been sent to the QATS address below? Thank you in advance for the update!

Brett Moody

OLEM/OSRTI/TIFSD/Analytical Services Branch

CLP Inorganic Program Manager

Work: 703.603.9903/Cell: 571.289.8244

**From:** Moody, Brett  
**Sent:** Thursday, January 12, 2017 11:31 AM  
**To:** 'dmcginnis@mcginnisandassociates.com' <dmcginnis@mcginnisandassociates.com>; Freitas, Richard <Freitas.Richard@epa.gov>; Sturges, Susan <Sturges.Susan@epa.gov>  
**Cc:** 'Strout, Keith' <Keith.Strout@CBIFederalServices.com>; Appleby, Charlie <Appleby.Charlie@epa.gov>  
**Subject:** PE sample(s) for Yerington Anaconda site by ICP-MS Case

Good Morning Dietrick, et al,

I can help facilitate the process for the double-blind PE samples. Since this a double-blind PE sample, the same sample bottles that will be used in the field need to be sent to QATS. The address to send the bottle(s) is:

Keith Strout

Quality Assurance Technical Support Laboratory  
CB&I Federal Services, LLC  
2700 Chandler Avenue, Building C  
Las Vegas, NV 89120

Items that QATS will need to know about the PE sample for preparation:

1. Analytes
2. Concentrations of analytes
3. Matrix/Matrices

4. # of bottles
5. Volume/Mass to prepare (dependent on # of bottles)
6. Delivery Name/Address to send the finished PE sample
7. Shipping dates of samples (to ensure that the solution can get to desired address in time)

Keith – please let everyone know if anything else is needed as we move along.

Thank you,

Brett Moody

OLEM/OSRTI/TIFSD/Analytical Services Branch

CLP Inorganic Program Manager

Work: 703.603.9903/Cell: 571.289.8244

**From:** Freitas, Richard

**Sent:** Wednesday, January 11, 2017 11:07 AM

**To:** Dietrick McGinnis <[dmcginnis@mcginnisandassociates.com](mailto:dmcginnis@mcginnisandassociates.com)>; Strout, Keith <[Keith.Strout@CBIFederalServices.com](mailto:Keith.Strout@CBIFederalServices.com)>; Sturges, Susan <[Sturges.Susan@epa.gov](mailto:Sturges.Susan@epa.gov)>; Appleby, Charlie <[Appleby.Charlie@epa.gov](mailto:Appleby.Charlie@epa.gov)>

**Cc:** Eidelberg, Joseph <[Eidelberg.Joseph@epa.gov](mailto:Eidelberg.Joseph@epa.gov)>; Rodriguez, Dante <[Rodriguez.Dante@epa.gov](mailto:Rodriguez.Dante@epa.gov)>

**Subject:** re: Draft technical requirements modified analysis for Yerington Anaconda site by ICP-MS

Hi everyone,

Looks like we're good to go. Sampling is scheduled to occur first week of February sometime.

Keith, can you coordinate with Dietrick on the double-blind PE samples?

As for the modified analysis, I have not yet received designation as R9 COR, Charlie, Dietrick, are you in agreement with the attached modified analysis? Does it meet the needs of the project QAPP?

Joe – Dante will be contracting you regarding data validation needs for this project.

Let me know if you need anything assistance on this.

Rich,

R9 QA Section

415-972-3804

**From:** Rodriguez, Dante

**Sent:** Wednesday, January 11, 2017 10:11 AM

**To:** Freitas, Richard <[Freitas.Richard@epa.gov](mailto:Freitas.Richard@epa.gov)>

**Subject:** Dietrick McGinnis - McGinnis & Associates, LLC

**Dante Rodriguez**

Remedial Project Manager

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